Date Printed: 09/03/2015 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

9/2/2015

Interval: 001h

	01_TempC_002m	02_TempC_015m	03_TempC_035m	04_TempC_060m	09_VTGrad_0215m	10_VTGrad_0235m	11_VTGrad_0260m	12_VTGrad_1535m	13_VTGrad_1560m
Hour	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC
00:00	21.2	22.1	22.4	22.7	.91	1.23	1.47	.32	.56
01:00	20.6	21.5	21.8	22.0	.88	1.24	1.44	.35	.56
02:00	20.2	21.0	21.4	21.8	.80	1.14	1.57	.34	.77
03:00	19.8	20.7	21.0	21.2	.92	1.17	1.37	.24	.45
04:00	19.6	20.6	20.8	21.1	.99	1.22	1.50	.23	.51
05:00	19.1	20.1	20.4	20.8	1.04	1.28	1.67	.24	.64
06:00	19.1	20.0	20.2	20.6	.87	1.08	1.48	.20	.61
07:00	19.2	20.0	20.1	20.4	.77	.96	1.26	.18	.48
08:00	20.3 P	20.1 P	20.2 P	20.5 P	P	P	P	P	P
09:00	22.8	22.4	22.2	22.1	-.45	-.68	-.72	-.22	-.26
10:00	25.3	24.6	24.3	24.2	-.72	-1.00	-1.16	-.29	-.45
11:00	27.7	26.6	26.3	26.1	-1.08	-1.45	-1.59	-.36	-.50
12:00	29.7	28.4	28.1	28.0	-1.27	-1.57	-1.73	-.30	-.46
13:00	30.9	29.6	29.2	29.0	-1.25	-1.68	-1.85	-.43	-.60
14:00	31.1	30.1	29.8	29.7	-.99	-1.26	-1.38	-.27	-.38
15:00	32.0	30.8	30.5	30.5	-1.21	-1.52	-1.57	-.30	-.35
16:00	32.4	31.1	30.9	30.8	-1.30	-1.56	-1.67	-.26	-.37
17:00	30.8	30.2	30.3	30.2	-.58	-.57	-.61	.02	-.03
18:00	28.2	28.2	28.8	29.2	-.01	.58	.97	.59	.97
19:00	26.6	27.2	28.0	28.5	.57	1.36	1.88	.79	1.31
20:00	24.5	25.4	26.1	27.0	.88	1.56	2.52	.68	1.64
21:00	23.7	24.9	25.3	26.0	1.16	1.61	2.30	.45	1.14
22:00	23.3	24.3	24.5	24.9	.97	1.25	1.56	.27	.59
23:00	22.6	23.3	23.7	23.9	.79	1.15	1.37	.36	.58
Avg	24.6	24.7	24.8	25.1	.12	.24	.44	.12	.32
Max	32.4	31.1	30.9	30.8	1.16	1.61	2.52	.79	1.64
Hr. of Max	16	16	16	16	21	21	20	19	20
Min	19.1	20.0	20.1	20.4	-1.30	-1.68	-1.85	-.43	-.60
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/2/2015

Interval: 001h

	14_DewPtC_002m	15_DewPtC_015m	17a_WBulbC	18_SoilTempC	19_RH_002m	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m
Hour	DEGC	DEGC	DEGC	DEGC	PERCENT	PERCENT	G/M3	G/M3	COUNT
00:00	19.4	20.3	20.0	25.9	91.8	92.0	16.7	17.6	0.014566
01:00	19.0	20.1	19.5	25.8	92.4	94.0	16.2	17.3	0.014132
02:00	18.7	19.9	19.2	25.7	92.7	95.3	15.9	17.1	0.013875
03:00	18.3	19.7	18.8	25.6	93.1	95.8	15.6	16.9	0.013581
04:00	18.3	19.5	18.7	25.4	94.2	95.7	15.6	16.8	0.013563
05:00	17.7	19.1	18.2	25.3	93.6	96.2	15.1	16.4	0.013056
06:00	17.8	19.0	18.2	25.2	94.2	96.5	15.2	16.3	0.013142
07:00	17.8	18.9	18.2	25.1	93.4	95.6	15.1	16.2	0.013078
08:00	P	P	P	24.9 P	92.3 P	94.1 P	P	P	P
09:00	19.5	19.0	20.6	24.8	83.5	83.1	16.7	16.1	0.014627
10:00	19.5	18.9	21.4	24.8	71.9	72.5	16.5	16.0	0.014623
11:00	19.6	19.2	22.3	24.9	63.3	65.4	16.6	16.2	0.014822
12:00	20.0	19.5	23.3	25.1	57.8	60.0	16.9	16.4	0.015231
13:00	19.1	18.7	23.0	25.4	51.1	53.5	15.9	15.6	0.014398
14:00	18.1	18.0	22.4	25.7	47.3	50.0	14.9	14.9	0.013489
15:00	17.7	17.5	22.5	26.1	43.9	46.3	14.6	14.4	0.013245
16:00	17.6	17.2	22.6	26.3	42.6	44.6	14.5	14.1	0.013161
17:00	18.9	18.8	22.9	26.6	51.0	52.4	15.7	15.7	0.014244
18:00	21.0	20.8	23.4	26.8	66.8	65.9	18.0	17.7	0.016188
19:00	21.3	21.1	23.1	26.9	74.7	71.2	18.4	18.1	0.016477
20:00	20.8	21.1	22.1	26.9	82.3	79.6	18.0	18.3	0.016004
21:00	20.5	21.5	21.6	26.9	84.6	83.8	17.7	18.7	0.015703
22:00	20.8	21.7	21.6	26.8	88.2	87.9	18.0	18.9	0.015946
23:00	20.5	21.2	21.2	26.7	90.5	90.3	17.7	18.5	0.015645
Avg	19.2	19.6	21.1	25.8	76.6	77.6	16.3	16.7	0.014469
Max	21.3	21.7	23.4	26.9	94.2	96.5	18.4	18.9	0.016477
Hr. of Max	19	22	18	21	06	06	19	22	19
Min	17.6	17.2	18.2	24.8	42.6	44.6	14.5	14.1	0.013056
Count	23	23	23	24	24	24	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/2/2015

Interval: 001h

	24_Mix Ratio_015m	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	39_SolarRad_Lang	40_WDir_015m
Hour	COUNT	KPa	KPa	INCHES	INHG	KPa	W/M2	Langleys	DEG
00:00	0.015444	22.6	24.0	.00	29.20	989.0	-1.5	.00	2.3
01:00	0.015183	22.0	23.6	.00	29.20	989.0	-2.6	.00	319.5
02:00	0.014994	21.6	23.3	.00	29.20	988.7	-3.1	.00	334.4
03:00	0.014789	21.1	23.0	.00	29.19	988.5	-1.3	.00	324.2
04:00	0.01464	21.1	22.7	.00	29.19	988.5	-1.7	.00	29.1
05:00	0.014303	20.3	22.2	.00	29.19	988.7	-3.2	.00	311.5
06:00	0.014212	20.5	22.1	.00	29.20	988.9	-3.2	.00	25.0
07:00	0.014059	20.4	21.9	.00	29.22	989.4	23.3	.03	345.5
08:00	P	P	P	.00 P	29.23 P	990.0 P	156.6 P	.22 P	221.7 P
09:00	0.014153	22.7	22.0	.00	29.23	990.0	331.9	.48	154.3
10:00	0.014136	22.7	22.0	.00	29.23	989.9	564.6	.81	62.0
11:00	0.014387	23.0	22.4	.00	29.22	989.6	763.8	1.09	100.2
12:00	0.014686	23.6	22.8	.00	29.20	989.0	807.0	1.16	132.8
13:00	0.014029	22.4	21.8	.00	29.18	988.2	927.9	1.33	126.6
14:00	0.013451	21.0	20.9	.00	29.16	987.6	768.8	1.10	350.8
15:00	0.013021	20.6	20.2	.00	29.14	986.8	803.0	1.15	231.6
16:00	0.012789	20.4	19.9	.00	29.12	986.1	702.6	1.01	266.0
17:00	0.014205	22.1	22.0	.00	29.11	985.7	324.4	.47	321.4
18:00	0.015966	25.0	24.7	.00	29.10	985.6	114.0	.16	325.0
19:00	0.016264	25.4	25.1	.00	29.10	985.3	40.1	.06	307.3
20:00	0.016327	24.7	25.2	.00	29.10	985.4	-1.9	.00	288.9
21:00	0.01667	24.3	25.7	.00	29.12	986.1	-2.1	.00	335.8
22:00	0.01684	24.7	26.0	.00	29.13	986.3	-2.1	.00	341.8
23:00	0.016389	24.2	25.3	.00	29.12	986.2	-2.2	.00	333.9
Avg	0.014823	22.5	23.0	.00	29.17	987.9	262.6	.38	335.0
Max	0.01684	25.4	26.0	.00	29.23	990.0	927.9	1.33	350.8
Hr. of Max	22	19	22	23	10	09	13	13	14
Min	0.012789	20.3	19.9	.00	29.10	985.3	-3.2	.00	2.3
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/2/2015

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH
00:00	74.1	70.6	10.7	68.1	22.1	11.0	8.5	.6	1.0
01:00	86.9	86.7	318.0	79.9	24.7	13.3	25.8	.6	.4
02:00	70.6	55.7	334.6	53.5	30.4	15.9	19.4	.5	1.0
03:00	91.3	91.9	321.0	88.4	24.3	10.2	13.7	.6	.6
04:00	69.8	49.0	31.7	45.1	19.9	8.9	10.5	.8	1.6
05:00	87.1	70.2	305.5	68.4	37.9	13.6	10.9	.5	.4
06:00	69.0	50.7	14.6	47.1	21.4	7.7	9.7	.5	1.4
07:00	113.8	97.8	268.1	95.4	18.6	22.5	21.9	.5	.1
08:00	239.5 P	245.6 P	226.9 P	246.6 P	14.9 P	15.0 P	7.8 P	1.9 P	2.5 P
09:00	128.3	79.0	161.1	58.5	50.0	39.6	44.2	.7	.7
10:00	59.9	25.7	82.6	21.3	77.5	65.0	46.1	.5	.9
11:00	90.4	84.8	104.6	81.4	47.3	37.3	35.0	2.1	2.4
12:00	123.3	99.7	139.7	102.1	44.4	51.6	66.2	1.6	1.3
13:00	121.4	120.1	132.1	119.6	61.7	59.8	62.2	1.6	1.4
14:00	350.0	341.0	351.3	339.1	54.8	46.0	45.9	1.4	1.9
15:00	235.8	237.1	235.8	236.6	59.1	57.9	40.0	1.6	2.1
16:00	273.5	275.5	269.3	275.3	26.8	26.2	20.6	3.4	4.0
17:00	345.2	346.7	321.2	341.5	23.8	18.7	16.4	1.9	2.7
18:00	19.9	30.8	329.5	24.5	33.8	14.2	9.0	.7	3.6
19:00	12.8	17.2	304.5	12.4	31.3	22.6	24.3	.6	1.9
20:00	276.6	273.1	287.7	274.2	20.8	47.5	40.2	1.0	1.1
21:00	62.9	49.6	331.6	50.9	44.3	18.6	26.0	.7	1.2
22:00	71.8	70.0	348.0	68.3	26.5	11.7	11.8	.7	1.3
23:00	77.3	74.3	338.1	73.9	41.8	9.7	11.9	.4	1.0
Avg	71.0	56.0	326.0	51.0	35.8	26.9	26.2	.0	.0
Max	350.0	346.7	351.3	341.5	77.5	65.0	66.2	3.4	4.0
Hr. of Max	14	17	14	17	10	10	12	16	16
Min	12.8	17.2	10.7	12.4	14.9	7.7	7.8	.4	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

9/2/2015

Interval: 001h

	57_RWSpd_060m	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH
00:00	1.4	.7	1.0	1.5	1.0	1.7	2.2	1.9	.04
01:00	.7	.8	.4	.8	1.1	1.0	1.4	.2	.03
02:00	1.3	.8	1.1	1.5	1.0	1.8	.9	2.8	.02
03:00	.8	.8	.7	.8	1.0	1.2	.0	.6	.01
04:00	1.9	.8	1.6	1.9	1.1	2.2	3.1	1.9	.05
05:00	1.3	.6	.5	1.3	.9	1.6	1.3	.8	.01
06:00	1.8	.5	1.4	1.9	.8	2.1	1.2	.7	.00
07:00	.9	.5	.5	1.1	.8	1.4	.2	.3	.00
08:00	3.1 P	2.0 P	2.6 P	3.1 P	2.5 P	3.4 P	-1.0 P	-.5 P	-.06 P
09:00	.3	1.1	1.2	1.3	1.5	1.7	-2.3	-5.1	.00
10:00	.9	1.5	1.7	1.7	2.1	2.4	1.0	-3.4	.00
11:00	2.8	2.9	3.2	3.5	3.5	4.0	-2.6	-4.9	-.17
12:00	.9	2.4	2.3	2.3	3.1	3.1	6.1	11.0	.40
13:00	1.1	2.7	2.6	2.6	3.4	3.3	6.8	12.5	.46
14:00	1.8	2.8	3.3	3.3	3.2	3.9	-5.8	-.8	-.43
15:00	2.2	2.6	2.7	2.6	3.1	3.4	-1.7	-7.1	-.09
16:00	4.0	3.8	4.3	4.3	4.2	4.8	-2.2	-3.8	-.32
17:00	3.1	2.3	3.3	3.7	2.7	4.1	-4.2	-4.1	-.24
18:00	5.2	1.1	3.8	5.3	1.4	5.6	-2.8	2.3	-.10
19:00	3.2	.7	2.0	3.5	1.0	3.7	1.2	4.2	.02
20:00	1.4	1.4	2.1	1.7	1.7	2.0	-.1	3.7	-.02
21:00	.9	.9	1.3	.9	1.2	1.3	.1	2.0	.00
22:00	1.9	.8	1.4	1.9	1.0	2.1	1.5	3.0	.03
23:00	1.6	.6	1.0	1.7	.9	1.9	1.0	1.3	.01
Avg	.0	1.5	1.9	2.3	1.8	2.7	.2	.8	-.01
Max	5.2	3.8	4.3	5.3	4.2	5.6	6.8	12.5	.46
Hr. of Max	18	16	16	18	16	18	13	13	13
Min	.3	.5	.4	.8	.8	1.0	-5.8	-7.1	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/2/2015

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	.07	1.8	2.3	2.5	2.0	2.8	8.2	5.7
01:00	.01	2.7	2.7	3.0	2.7	2.1	6.1	7.6
02:00	.12	2.3	3.4	3.7	2.5	4.2	6.9	7.3
03:00	.02	2.3	2.1	3.2	2.4	2.2	6.7	6.3
04:00	.08	2.7	3.4	3.2	2.9	3.4	7.8	4.1
05:00	.02	1.4	1.6	3.7	1.8	2.9	7.7	4.8
06:00	.03	2.3	2.7	3.4	2.6	3.3	6.4	3.8
07:00	.02	2.7	3.4	3.0	3.0	2.5	3.8	5.2
08:00	-.01 P	<	<	<	<	<	<	<
09:00	-.16	3.9	3.7	3.9	4.4	4.8	24.9	25.6
10:00	.08	7.8	8.0	8.2	8.7	9.9	36.2	36.3
11:00	-.33	8.9	9.2	7.6	10.3	8.6	23.8	23.7
12:00	.77	7.3	7.8	7.8	9.1	8.7	26.3	33.0
13:00	.88	7.8	7.6	6.6	8.8	8.8	26.9	30.4
14:00	-.13	9.4	10.1	8.7	9.3	8.9	24.3	25.7
15:00	-.43	12.6	9.4	7.6	7.6	8.9	27.2	33.6
16:00	-.49	8.0	9.2	9.2	9.1	10.4	20.5	19.6
17:00	-.31	7.1	9.2	9.6	7.5	10.2	16.2	12.6
18:00	.20	5.0	13.5	16.9	6.7	10.3	18.2	5.6
19:00	.36	2.5	6.6	7.3	2.9	7.8	13.6	6.9
20:00	.07	4.1	5.3	4.8	4.6	5.4	8.8	12.1
21:00	.07	3.2	3.2	2.5	3.2	2.7	9.7	15.4
22:00	.12	4.4	5.0	3.9	2.8	3.5	8.4	4.7
23:00	.06	2.5	2.5	4.6	2.5	3.2	8.0	5.0
Avg	.05	4.9	5.7	5.9	5.1	5.9	15.1	14.6
Max	.88	12.6	13.5	16.9	10.3	10.4	36.2	36.3
Hr. of Max	13	15	18	18	11	16	10	10
Min	-.49	1.4	1.6	2.5	1.8	2.1	3.8	3.8
Count	24	23	23	23	23	23	23	23
Total								